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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/537,259	05/31/2005	Wu-Song Huang	FIS920020051US1	1422
32074	7590 06/29/2006		EXAMINER	
INTERNATIONAL BUSINESS MACHINES CORPORATION			LETSCHER, GERALDINE	
DEPT. 18G BLDG. 300-4	182		ART UNIT	PAPER NUMBER
2070 ROUTE 52 HOPEWELL JUNCTION, NY 12533			1752	
			DATE MAILED: 06/29/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application N .	Applicant(s)			
		10/537,259	HUANG ET AL.			
	Office Action Summary	Examin r	Art Unit			
		Geraldine V. Letscher	1752			
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover she t with the c	rrespondenc address			
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 31 M	<u>ay 2005</u> .				
•	☐ This action is FINAL . 2b) ☐ This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.			
Dispositi	ion of Claims					
<u> </u>	Claim(s) 1-15 is/are pending in the application.					
•	4a) Of the above claim(s) is/are withdraw					
	Claim(s) is/are allowed.					
'=	Claim(s) <u>1-15</u> is/are rejected.					
·	Claim(s) is/are objected to.					
•	Claim(s) are subject to restriction and/or	r election requirement.				
Annligati	ion Papers					
	•					
/—	The specification is objected to by the Examine		Cyamina			
10)[_]	The drawing(s) filed on is/are: a) acco					
	Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct					
11)[The oath or declaration is objected to by the Ex	•	•			
Priority (under 35 U.S.C. § 119					
-	Acknowledgment is made of a claim for foreign	priority under 35 H.S.C. & 119/a	\-(d) or (f)			
•	☐ All b)☐ Some * c)☐ None of:	priority under 60 0.0.0. § 110(a)	, (4) 5. (1).			
<i>α</i>),	1. Certified copies of the priority documents	s have been received.				
	2. Certified copies of the priority documents		on No.			
	3. Copies of the certified copies of the prior					
	application from the International Bureau	·	· ·			
* 9	See the attached detailed Office action for a list	• • • • • • • • • • • • • • • • • • • •	ed.			
		·				
Attachmen	t(s)					
1) Notic	e of References Cited (PTO-892)	4) Interview Summary				
	e of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate Patent Application (PTO-152)			
	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) or No(s)/Mail Date <u>5-13-05</u> .	6) Other:	atent Application (PTO-132)			
.S. Patent and T	rademark Office	1	uto_	_		
PTOL-326 (R	lev. 7-05) Office Ac	ti n Summary A REPARED EXAMIN	Paper No./Mail Date 20060625			
		3ROUP 1100				

U.S. Patent and Trademark Off PTOL-326 (Rev. 7-05)

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Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-15 are rejected under 35 U.S.C. 102(b) as being anticipated by any one of Hayase et al. (U.S. Patent No. 5,403,695), Hayase et al. (U.S. Patent No. 5,580,702), or Kimura (U.S. Patent No. 5,679,497).

Each of Hayase et al. ('695), Hayase et al. ('702) and Kimura disclose a resist composition and corresponding method of forming a patterned material structure on a substrate said material being selected from the group consisting of organic dielectrics, semiconductors, ceramics and metals, characterized in that said resist composition comprises (a) an imaging polymer, and (b) a radiation sensitive acid generator component, said radiation sensitive acid generator component comprising: (i) a first radiation sensitive acid generator selected from the group consisting of dissolution-inhibiting acid generators, and (ii) a second radiation sensitive acid generator selected from the group consisting of unprotected acidic group-functionalized radiation sensitive

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acid generators and acid labile group-protected acidic group-functionalized radiation sensitive acid generators.

3. Claims 1-15 are rejected under 35 U.S.C. 102(e) as being anticipated by Endo et al. (U.S. Patent No. 6,949,329).

Endo et al. discloses resist composition and corresponding method of forming a patterned material structure on a substrate said material being selected from the group consisting of organic dielectrics, semiconductors, ceramics and metals, characterized in that said resist composition comprises (a) an imaging polymer, and (b) a radiation sensitive acid generator component, said radiation sensitive acid generator component comprising: (i) a first radiation sensitive acid generator selected from the group consisting of dissolution-inhibiting acid generators, and (ii) a second radiation sensitive acid generator selected acidic group-functionalized radiation sensitive acid generators and acid labile group-protected acidic group-functionalized radiation sensitive acid generators.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Geraldine V. Letscher whose telephone number is (571) 272-1334. The examiner can normally be reached 8:00am to 4:30pm.

GERALDINE LETSCHER
PRIMARY EXAMINER
GROUP 1100

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia Kelly can be reached on (571) 272-1526. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.